

ABSTRACT OF THE DISCLOSURE

A user terminal is connected to an IP network through an
5 access gateway, and service provider networks are connected to
the IP network through an exchange router and border gateways.
A group of servers store, for example, information about users,
information about services, information about connection, and
account information, and, in addition, perform user accounting
10 and alternative account billing to the users. The exchange
router converts a packet from the user terminal to the
protocol/format on the service provider side and converts a
packet from the service provider side to the protocol/format of
the user terminal. By virtue of this construction, a network
15 system and a packet data transmission method can be realized
which unify connection between users and a plurality of service
providers and unified management of business routine and
accounting.